Thermochimica Acta, 175 (1991) 311
Elsevier Science Publishers B.V., Amsterdam

AUTHOR INDEX

Abicht, H.-P., 199
Agoshov, V.M., 119

Bart, J.C.J., 263
Ben Chanaa, M., 149
Blond, G., 239
Borch, K., 53
Bros, J.P., 119
Browne, P.R.L., 293

Chernyshova, I.V., 119
Criado, J.M., 299, 305

Davis, D.D., 175, 189
De Marco, D., 249
Dufour, P.R., 263

Gambino, M., 119
Gardner, P.J., 129
Gaune, P., 119
Gmehling, J., 281
Grønlund, F., 63
Gustavsson, B., 73

Havlica, J., 45
Hiltunen, L., 99
Hvidt, Aa., 53

Kenakkala, T., 79
Kikuchi, M., 207
Kokkonen, P., 79
Kuoppala, H., 79

Lajunen, L.H.J., 35
Lallemant, M., 149
Landeck, H., 229
Leskelä, M., 91, 99
Linert, W., 249
Liptay, G., 99
Lisk, M., 293
Lønvik, K., 105

Majling, J., 45
Málek, J., 299, 305
Marsh, R.D.L., 1
Martin, N.B., 175
McGlashan, M.L., 59
Morgan, P.M., 135
Morioka, Y., 207
Müller, T., 199

Nagase, K., 207
Nagata, I., 281
Nielsen, K.A., 13
Niinistö, L., 91
Nykänen, E., 91

Peterle, P., 149
Pitkänen, I., 109
Pohjala, E., 35
Preston, S.R., 129

Raemaekers, K.G.H., 263
Rai, U.S., 215

Rodgers, K.A., 293
Rönkkömäki, H., 35

Sahu, S., 45
Semenov, Yu.V., 119
Šesták, J., 299
Shapi, M.M., 25
Shekhar, H., 215
Simatos, D., 239
Simonot-Grange, M.H., 149
Slaghuis, J.H., 135
Slanina, Z., 141
Soininen, P., 91
Syono, Y., 207

Tiitta, M., 91
Tokiwa, A., 207
Tomková, V., 45

Vainiotalo, A., 109
Vainiotalo, P., 109
Van-de-Velde, J.G., 1
Varhelyi, C., 99

Wedlich, R.C., 175, 189
Wetton, R.E., 1
Wolff, H., 229

Yokobayashi, H., 207

Thermochimica Acta, 175 (1991) 313–315
Elsevier Science Publishers B.V., Amsterdam

SUBJECT INDEX

Accelerating rate calorimetry
Kinetics and mechanism of the thermal decomposition of monomethylhydrazine by accelerating rate calorimetry, 189
Transition metal catalysis of the heterogeneous decomposition of hydrazine: adiabatic kinetics by accelerating rate calorimetry, 175
Adiabatic kinetics
Transition metal catalysis of the heterogeneous decomposition of hydrazine: adiabatic kinetics by accelerating rate calorimetry, 175
Advanced technical ceramics
Thermal analysis in the research and development of advanced technical ceramics, 13
Aliphatic amines
The Wilson parameters for *n*-hexane mixtures of the lowest primary and secondary aliphatic amines studied by the contour lines of their error squares, 229

$BaCO_3$
On the thermal decomposition of carbonate in $CaCO_3/BaCO_3/TiO_2$ mixtures (in German), 199
Barium feldspars
Thermodynamic properties of strontium and barium feldspars, 119
Binary organic eutectics
Some physicochemical studies on binary organic eutectics, 215

$CaCO_3$
On the thermal decomposition of carbonate in $CaCO_3/BaCO_3/TiO_2$ mixtures (in German), 199
Carbonate
On the thermal decomposition of carbonate in $CaCO_3/BaCO_3/TiO_2$ mixtures (in German), 199
Catalysis
Transition metal catalysis of the heterogeneous decomposition of hydrazine: adiabatic kinetics by accelerating rate calorimetry, 175
Cyano compounds
Thermal analysis of some cyano compounds. Part IV. The thermal behaviour of $LnFe^{3+}(CN)_6 \cdot nH_2O$ (Ln = La(III), Ce(III), Pr(III), Nd(III)), 249

β-Diketone chelates
Thermoanalytical and mass spectrometric studies on volatile β-diketone chelates, 91
Dynamic mechanical thermal analysis
Theory and application of dynamic mechanical thermal analysis, 1

Evolved gas analysis
Evolved gas analysis using the Perkin–Elmer TGA7 HT—a novel method of gas sampling, 135
Extended UNIQUAC model
Simultaneous correlation of excess Gibbs energy and excess enthalpy data using the extended UNIQUAC model, 281

Feldspars
Thermodynamic properties of strontium and barium feldspars, 119
Frozen aqueous systems
Glass transition of the amorphous phase in frozen aqueous systems, 239

Gas sampling
Evolved gas analysis using the Perkin–Elmer TGA7 HT—a novel method of gas sampling, 135
Glass transition
Glass transition of the amorphous phase in frozen aqueous systems, 239

H_2O
NaCl–H_2O systems at temperatures below 273 K, studied by differential scanning calorimetry, 53
Heat flow calorimeters
Ordinary and heat flow calorimeters: a unified view, 63
n-Hexane
The Wilson parameters for *n*-hexane mixtures of the lowest primary and secondary aliphatic amines studied by the contour lines of their error squares, 229
High-temperature polyesters
Simultaneous thermogravimetric and mass-spectrometric analysis of high-temperature polyesters, 263
Hutjens method
40 Years of the Van Krevelen, Van Heerden

and Hutjens non-isothermal kinetic evaluation method, 299

Hydration
Hydration behaviour of sulphoaluminate belite cement in the presence of various calcium sulphates, 45

Inorganic glass materials
Thermosonimetry (TS) of transitions in inorganic glass materials, 105

Isomerism
$Si_6H_6(g)$—the largest computationally predicted isomerism effects on system thermodynamics, 141

Isopropyl clodronate sodium salts
Solid state decomposition studies on some isopropyl clodronate sodium salts, 35

Limestone sulphation
Reaction mechanism studies in limestone sulphation using SEM-EDS technique, 79

$LnFe^{3+}(CN)_6 \cdot nH_2O$ (Ln = La(III), Ce(III), Pr(III), Nd(III))
Thermal analysis of some cyano compounds. Part IV. The thermal behaviour of $LnFe^{3+}(CN)_6 \cdot nH_2O$ (Ln = La(III), Ce(III), Pr(III), Nd(III)), 249

Misinterpretations
Some common misinterpretations of measurable thermodynamic functions, 59

Monomethylhydrazine
Kinetics and mechanism of the thermal decomposition of monomethylhydrazine by accelerating rate calorimetry, 189

$NaCl–H_2O$
$NaCl–H_2O$ systems at temperatures below 273 K, studied by differential scanning calorimetry, 53

Novel method
Evolved gas analysis using the Perkin–Elmer TGA7 HT—a novel method of gas sampling, 135

Poly(acrylonitrile butadiene styrene)
TG and DSC studies of some thermal properties and stability aspects of poly(acrylonitrile butadiene styrene), polystyrene and poly(acrylonitrile styrene) plastics, 25

Poly(acrylonitrile styrene)
TG and DSC studies of some thermal properties and stability aspects of poly(acrylonitrile butadiene styrene), polystyrene and poly(acrylonitrile styrene) plastics, 25

Polystyrene
TG and DSC studies of some thermal properties and stability aspects of poly(acrylonitrile butadiene styrene), polystyrene and poly(acrylonitrile styrene) plastics, 25

Quartz inversion temperatures
Instrumental and preparative factors influencing measurement of $\alpha–\beta$ quartz inversion temperatures, 293

SEM-EDS
Reaction mechanism studies in limestone sulphation using SEM-EDS technique, 79

Šesták–Berggren equation
Is the Šesták–Berggren equation a general expression of kinetic models?, 305

$Si_6H_6(g)$
$Si_6H_6(g)$—the largest computationally predicted isomerism effects on system thermodynamics, 141

Sodium 1,2-naphthoquinone oximesulfonates
Thermoanalytical studies on sodium 1,2-naphthoquinone oximesulfonates, 109

Sodium iodide
High temperature heat capacities of thallium iodide, thulium iodide and sodium iodide by differential scanning calorimetry, 129

Strontium feldspars
Thermodynamic properties of strontium and barium feldspars, 119

Sulphoaluminate belite cement
Hydration behaviour of sulphoaluminate belite cement in the presence of various calcium sulphates, 45

Superconducting $YBa_2Cu_3O_7$
Kinetic analysis of superconducting $YBa_2Cu_3O_7$ by thermogravimetry in high vacuum, 207

Thallium iodide
High temperature heat capacities of thallium iodide, thulium iodide and sodium iodide by differential scanning calorimetry, 129

Thermosonimetry
Thermosonimetry (TS) of transitions in inorganic glass materials, 105

Thulium iodide
High temperature heat capacities of thallium iodide, thulium iodide and sodium iodide by differential scanning calorimetry, 129

TiO_2
On the thermal decomposition of carbonate in $CaCO_3/BaCO_3/TiO_2$ mixtures (in German), 199

Transition metal catalysis
Transition metal of catalysis of the heterogeneous decomposition of hydrazine: adiabatic kinetics by accelerating rate calorimetry, 175

Van Heerden method
40 Years of the Van Krevelen, Van Heerden and Hutjens non-isothermal kinetic evaluation method, 299
Van Krevelen method
40 Years of the Van Krevelen, Van Heerden and Hutjens non-isothermal kinetic evaluation method, 299
Volatility determination of oils
Volatility determination of oils by TGA, 73

Wilson parameters
The Wilson parameters for *n*-hexane mixtures of the lowest primary and secondary aliphatic amines studied by the contour lines of their error squares, 229

$YBa_2Cu_3O_7$
Kinetic analysis of superconducting $YBa_2Cu_3O_7$ by thermogravimetry in high vacuum, 207

Zeolites
Evaluation of cooling devices based on adsorption onto zeolites (in French), 149
$Zn(NH_3)_4S_2O_6$
Thermal and structural studies on $Zn(NH_3)_4S_2O_6$, 99